

5 METHOD AND DEVICE FOR SANITIZING DISPOSABLE BIOCHIPS

ABSTRACT OF THE DISCLOSURE

Biochips, bio-analysis systems, and methods for testing and pyrolyzing a
10 biological substance are disclosed. The biochips and methods of use can include a substrate, a region of the substrate having components being configured to interact with a biological substance, and a heating device integrated with the substrate. The heating device can be configured to generate heat over substantially all of the region, wherein the heat produces a
15 temperature sufficient to pyrolyze the biological substance. The bio-analysis system and methods of use can include a biochip having a region configured for conducting a biological assay on a biological substance, and an integrated device including an analysis chamber and a pyrolysis chamber. The analysis chamber can be configured for receiving the biochip and performing a biological
20 assay on the region within the analysis chamber. The pyrolysis chamber also can be configured for receiving the biochip, wherein upon applying heat to the region within the pyrolysis chamber, the biological substance is pyrolyzed.